

1: DEC 2004

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 17 MAR 2004

	icant's .1303	_	nt's file reference	FOR FURTHER ACT	ION		n of Transmittal of International amination Report (Form PCT/IPEA/416)				
International application No. PCT/US 03/19112				International filing date (da 18.06.2003	ay/moni	th/year)	Priority date (day/month/year) 21.06.2002				
I	International Patent Classification (IPC) or both national classification and IPC										
B01	B01D35/153										
ļ											
	Applicant DONALDSON COMPANY, INC.										
1.	 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 										
2.	2. This REPORT consists of a total of 5 sheets, including this cover sheet.										
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).										
	The	•	nexes consist of a total of								
3.	Thio	rono	rt contains indications re	elating to the following iter	ne.		•				
3.				rating to the following iter	113.						
	1		Basis of the opinion			•					
			Priority Non-actablishment of	oninion with regard to nov	veltv i	nventive step a	and industrial applicability				
	١٧		Lack of unity of invent		oonly, i	involuivo otop o	and made and approximity				
	V	×	Reasoned statement		regar ement	rd to novelty, in	ventive step or industrial applicability;				
	VI		Certain documents cit								
	VII		Certain defects in the	international application							
1	VIII		Certain observations	on the international applic	ation						
Date of submission of the demand					Date of	f completion of th	is report				
20.01.2004					17.03	3.2004					
Name and mailing address of the international						ized Officer	*OSS M				
preliminary examining authority: European Patent Office - P.B. 5818 Patentiaan 2							Electric and the second				
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US 03/19112

 Basis of the repo 	rt
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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally file and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	cription, Pages									
	1-24	1	as originally filed								
	Clai	laims, Numbers									
		·	as originally filed								
	1-23	3	as originally flied								
	Dra	wings, Sheets									
	1/15	-15/15	as originally filed								
2.	With lang	n regard to the langu o guage in which the int	age, all the elements marked above were available or furnished to this Authority in ternational application was filed, unless otherwise indicated under this item.								
	The	These elements were available or furnished to this Authority in the following language: , which is:									
		the language of a tra	enslation furnished for the purposes of the international search (under Rule 23.1(b)).								
		the language of publ	ication of the international application (under Rule 48.3(b)).								
		the language of a tra Rule 55.2 and/or 55.3	inslation furnished for the purposes of international preliminary examination (under 3).								
3.	With inte	n regard to any nucle rnational preliminary	otide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:								
		contained in the inte	rnational application in written form.								
		filed together with th	e international application in computer readable form.								
		furnished subsequer	ntly to this Authority in written form.								
		furnished subsequer	ntly to this Authority in computer readable form.								
		The statement that to in the international a	he subsequently furnished written sequence listing does not go beyond the disclosu pplication as filed has been furnished.								
		The statement that to listing has been furn	he information recorded in computer readable form is identical to the written sequer ished.								
4.	The	amendments have r	esulted in the cancellation of:								
		the description,	pages:								
		the claims,	Nos.:								
		the drawings,	sheets:								

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5. 🗆	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).
	(Any replacement cheet containing such amondments must be referred to under item 4 and a mount

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to report.)

- 6. Additional observations, if necessary:
- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicabil citations and explanations supporting such statement
- 1. Statement

Novelty (N)

Yes: Claims
No: Claims
Inventive step (IS)

Yes: Claims
1-23
No: Claims
Industrial applicability (IA)

Yes: Claims
1-23
No: Claims
No: Claims

2. Citations and explanations

see separate sheet

EXAMINATION REPORT - SEPARATE SHEET

Re Item V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

The present application refers to a filter cartridge with a liner / valve 1. construction positioned to extend along an upstream side of the filter media.

The closest prior art document D1 is:

US-B1-6 322 697 (GUSTAFSON MICHAEL JON ET AL) 27 November D1: 2001 (2001-11-27) cited in the application

The subject-matter of claim 1 differs from closest prior art document D1 in 2. that the filter cartridge includes a liner/valve construction positioned along the upstream surface of the filter media.

The problem to be solved by the present invention may therefore be regarded as to inhibit loss of contaminant from the filter cartridge during servicing operation.

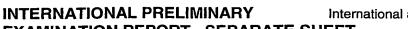
The solution to this problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT) for the following reasons:

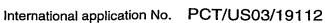
No hint can be found in the available prior art that would have led the skilled man to modify the layout of a filter cartridge as disclosed in document D1 towards a filter cartridge of the present invention. Moreover the solution of claim 1 can not be seen as being obvious.

The subject-matter of claim 1 is therefore novel and involves an inventive step (Article 33(1,2,3) PCT).

Independent method claims 21 and 23 3.

The method claims 21 and 23 refer to the filter cartridge as defined in claims 1-20. As the filter cartridge of claim 1 is novel and involves an inventive step, method claims 21,23 also meet the requirements of the PCT with respect to novelty and inventive step.





EXAMINATION REPORT - SEPARATE SHEET

Dependent apparatus claims 2-20,22 4.

Claims 2-20 and 22 are respectively dependent on claims 1 and 21 and as such also meet the requirements of the PCT with respect to novelty and inventive step.